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TITLE: PICTURE PROCESSING SYSTEM  
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ABSTRACT:

PURPOSE: To attain partial emphasis corresponding to human visual sense without damaging a gradation change by converting digital picture information into a brightness component and color difference components, recording both components in a recording medium and simultaneously recording digital information indicating an area whose brightness is to be emphasized.

CONSTITUTION: In an picture recording system, an RGB-YIQ conversion part 2 executes the matrix conversion of a digital signal consisting of R, G and B components into a brightness component Y and color difference components I, Q

and sends the converted components Y, I, Q to a digital signal recording part  
5. While observing a still picture displayed on a display part 1, an operator can specify an area whose brightness is to be emphasized by a brightness emphasis area specifying part 3, positional information indicating the set brightness emphasis requiring area is compressed by a binary picture compressing part 4 and the compressed result is sent to the recording part 5 as brightness emphasis area information. The recording part 5 records the brightness component Y and the color difference components I, Q sent from the conversion part 2 and the brightness emphasis area information sent from the compression part 4 in the recording medium 6 as digital signals.

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